SIES GRADUATE SCHOOL OF TECHNOLOGY (AUTONOMOUS)

The SIES Graduate School of Technology has come of age with its 18th batch passing out this year. It has made a mark in the technical education field as one of the best Engineering colleges in Mumbai and ranked second in Navi Mumbai.GST students excelled in all fields and have made their presence felt in a big way at the University, State and National levels.

SIES Graduate School of Technology was accredited by the National Board of accreditation for the branches of Computer Engineering, Electronics and Telecommunication Engineering, Information Technology and Mechanical Engineering for 3 years from July 2021 to June 2024.

SIES Graduate School of Technology was accredited by NAAC with a Score of A+ (3.28) for 5 years from October 2023 to October 2028.

PRE-INCUBATION CELL

Established in the year 2023 in collaboration with two start-ups i.e. Karpuragaurai Technologies Pvt. Ltd and Greenox E-library Pvt. Ltd.Pre-Incubation cell provides a facility dedicated to supporting and fostering innovation, entrepreneurship and startup culture among the students and alumni of the institute.

Karpuragaurai Technologies Pvt. Ltd. provided internship to four students of computer engineering on UI Design and Game Development.

M/s.Greenox E-Library Pvt. Ltd. provided internships on AI/ML to 10 students from various departments. Also they are guiding two of the Mechanical Engineering students project groups namely 6 DOF Robot and Delta Robot.

The Cell provides a conducive environment where aspiring entrepreneurs can nurture their ideas and turn them into successful ventures.

COLLABORATION (MoU and other achievements)

1. Department of Electronics & Telecommunication Engineering signed an MoU with Greenshift Energy Pvt. Ltd. From 22.12.2023 to 21.12.2028 and one MoU with Septu India Pvt. Ltd. From 02.02.2024 to 01.02.2029 for 5 years.

2. Department of Electronics and Computer Science signed between SIES Graduate school of Technology and CYHEX InfoTech Private Limited on 31st July 2023. A group of students is working on "Dissecting Dark web & Data Dark web Intelligence" as a Final year Project under the signed MoU.

3. Department of Electronics & Computer Science signed MoU with Creto Tech Services Pvt.Ltd. on 09.02.2024.

4. Department of Electronics & Computer Science signed MoU with Excelr Edtech Pvt. Ltd. on 07.02.2024.

5. Department of Computer Engineering signed MoUwith ILM group of companies on 07.08.2023 for 3 years.

6. Department of Computer Engineering signed MoU with Impact Global Digital Solutions on 09.08.2023.

7. Department of Computer Engineering signed MoU with PODS Technologies on 01.09.2023.

8. Department of Computer Engineering and CSE (IOT) signed MoU on 06.02.2024 with Seed Infotech.

9. Department of Artificial Intelligence Machine Learning signed MoU with KRG Connect Pvt. Ltd. In December 2023.

10. Department of Artificial Intelligence Machine Learning signed MoU with Pinacle Web India Pvt.Ltd. in December 2023.

11. Department of Mechanical department signed an MoU with GreenoxE-Library Pvt.Ltd. in July 2023 for 6 months.

12. Department of Computer Science & Engineering (IOT/Cyber security/block chain Tech.) signed an MoU with Precise Udyog Vikas skills Pvt. Ltd. on 11th January 2024 for 1 year.

INSTITUTIONAL SOCIAL RESPONSIBILITY (ISR)

SIES Graduate school of Technology stands with the vision of social empowerment and equality. It adopted "Project Beacon "as the Institute level social responsibility (ISR). This project focuses on training the lesser privileged. This training gives them an opportunity to
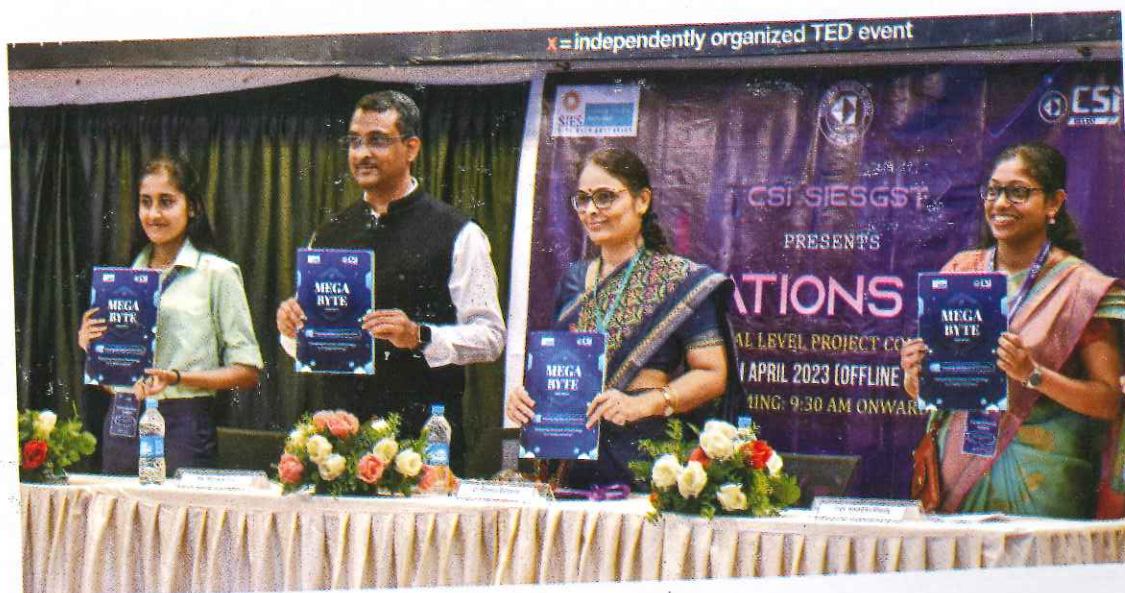
enhance themselves based on the requirement of the industry and service providing. The total 56 trainees are equipped and nurtured in courses like sewing (5), AC Mechanic (9) , Electrician (10) , computer operator (12), web designing (20). SIESGST believes in giving back to the society and through this project it practices by providing an opportunity to untrained/unemployed/school drop outs youth through skill-based education.

DEPARTMENTAL INITIATIVES

All the Departments have involved industry persons in the review process of the final year projects.

- Department of Computer Engineering arranged two national level events: Innovations'23 held on 10.04.2023 and Enigma (Data privacy day celebration) on 27.01.2024.
- The Department of Artificial Intelligence and Machine Learning arranged KRG internships to bridge the gap between the academic and industrial requirements.
- The Department of Humanities and Applied Sciences arranged an induction program for five days from 7th - 11th August 20 23. A diverse range of activities and seminars unfolded, encompassing Yoga sessions, UHV (Understanding Human Values) sessions, Disaster Management, Self-Defence, and an enlightening seminar on Drug Abuse Awareness. The concluding day featured a memorable field trip to Karnala Fort in Navi Mumbai.
- The Institute organised a one-week ISTE approved STTP on "NEP 2020 and Autonomy in HEI"from 18th - 23rd December 2023. The STTP saw participation of around 86 attendees from SIES GST and various other colleges.

Innovation a Technical paper presentation event conducted by Computer Engineering Department

- Around 69 faculty members from the Department of EXTC, CE, IT, AIDS, ME, AIML & CSE(IOT) were trained in "AR/VR technologies" from 19.04.2023 to 24.06.2023.
- 70 students of Mechanical Engineering Department were provided/arranged Industry internship during the winter break.

ACADEMIC/TECHNICAL ACHIEVEMENTS

➤ DEPARTMENT OF INFORMATION TECHNOLOGY

- Ms. Pranali D, Mr. Numan A, Mr. Pravin N and Prof Leena Ladge, registered the copyright for the software "Unified Validation Interface", on 3rd August 2023.
- Mr.Salman A, Mr.Kunal K, Mr. Mayank, Mr. Aman P, Mr. Dhairya and Mr. Ruchir Rao and Prof. Bushra Shaikh have filed copyright on Mentor Mentee Connect on 26th August 2023.

➤ DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATIONS ENGINEERING

- Received the best IEEE chapter 2023 award for IEEE MTTS SIESGST on 25.06.2023. Consecutively for 3 years the department has received this award.
- Ms. Shruti Singh, student of final year received 1st place in the Shark Tank event conducted by IEEE VIT in May 2023.
- Ms. Shruti Tiwari, student of final year secured 2nd place in Hackathon Joy in May 2023 organised by Pillai group of Institutions.
- Eight groups of final year students presented/published papers in different IEEE conferences and other reviewed journals.
- Thirteen papers were presented/published by faculty members in IEEE journals, conferences and reviewed journals.

Enigma - event by Computer Engineering Derpartment-

- Prof. Pranavi Nikam, Prof.Priyanka Kadam, Ms.Shamala Mathi and Prof.Hema Gavali registered copyright on LORA based underground Messenger for minors on 14.06.2023.
- Dr. Preeti Hemnani and Dr. Shubhangi Kharche submitted a project proposal on 5G lab on use cases to AICTE during April 2023.
- Ms.Sonal Hutke published a patent on Wearable Co-planner Waveguide Antenna for Wireless Body Area Network on 15.09.2023.

➤ DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

- Two Groups from Second year Engineering and two groups from Third year Engineering secured prizes in Cognition project competition.

➤ DEPARTMENT OF COMPUTER ENGINEERING

- One patent filed by the faculty member Dr. Anindita Khade on "A chronic Kidney Disease Detection Device" in 03.02.2023.
- Prof.Suvarna Chaure, Prof. Sunil P and Prof. Prachi Shahane received patent grant on A low density lyethylene (LDPE) sorting system during 11.09.2023.
- 25 Journals and 9 conference research papers were published by Department students and faculty members which included journals in SCI, web of science and Scopus indexed journals during the year 2023-24.
- Final year students Jatin Iyer, Sridhar Iyer, Vasu and Venkateshwara Mani received best paper award in ICREACT 23 for the paper titled Kacharaba: The autonomous garbage collect rover during April 2023.
- Atharva Vaidya (2018-22) batch secured AIR 9195 in GATE 23 examination and was admitted to IIT Mumbai for M. Tech in Computer Engineering.
- Third year students Sahil Shaikh and Varun Sondur received a cash Prize of Rs.5000/- as research consolation prize for their project titled "Solid waste management system" in Anvesha State level project competition during Sep'2023.

➤ DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

- The students Omkar Shivarkar, Suyash Utekar and group and Nikhil Patel triumphed in the zonal level startup poster presentation, Cognition Project Presentation and National Level Baja-SAEIndore competitions respectively.

➤ DEPARTMENT OF HUMANITIES AND APPLIED SCIENCES

- Four students admitted during the year 2022-23, have secured SGPA Score of 10 in Semester I examinations conducted by the University of Mumbai.

Sports achievements

➤ DEPARTMENT OF INFORMATION TECHNOLOGY

- Mr. Deep Panchal of second year engineering won 3 gold medals in Navi Mumbai association of Kickboxing and Sports in category of Kick Light, Light Contact and Point Fight held on 27th May 2023.
- Final Year Engineering student Satish Nadar secured third place in inter zonal football tournament held on 11.11.2023 at University sports pavilion.

➤ DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATIONENGINEERING

- Ms. Prerana Aswal, third-year student, was the winner of the Badminton tournament organised by the University of Mumbai on 12.09.2023.
- Mr. Umair Khan and Mr. Aryan Thakur, second year students, secured second prize in the Basketball competition organised by the University of Mumbai held on 13.10.2023
- Mr. Amir Mithagari, final year student secured second prize in the Carrom competition organised by Decathlon and second position in Volleyball competition held at BVRIT, Kharghar on 08.10.2023 and September 2023 respectively.

➤ DEPARTMENT OF COMPUTER ENGINEERING

- Ms.Purva Ambre and Ms.Adhya, Second Year Engineering students secured runner up position in zonal Badminton competition at University level in September 2023.
- Mr. Akshay Kumar Final year student has won in the zonal level volleyball tournament at University level in September 2023.

➤ DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

- Aniruddha Kerur of Third year Engineering won 2nd prize in Men's singles and doubles Badminton tournament held at Badlapur during the year 2023.

➤ DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING:

- Vedant Kupekar, second year student bagged the first, third and the first runner up positions in the intercollegiate level in cricket during various games held in second half 2023.
- Harsh Mogal, second year student won the first prize in mixed doubles ICT Sports Saga Badminton during the period 21.03.2023 to 02.04.2023.

➤ DEPARTMENT OF MECHANICAL ENGINEERING

- Ashwini Jamale, third year student won silver medal in WAKO India in national senior and Masters kickboxing championship, also won gold and silver in Wako Maharashtra state championship, won 2 gold at district level.

Technical Activities

➤ DEPARTMENT OF INFORMATION TECHNOLOGY

Mr. Dhiraj Shelke, Mr.Anurag Singh, Mr.Shreyash Kadam and Mr.Mohit Shetty from Final year Engineering students participated and were selected for final round of 18th Aavishkar: Inter-Collegiate / Institute /Department Research Convention (Zonal Round) organised by the University of Mumbai on 15th December 2023 for Engineering Colleges/Institutes Zone for the Research Project titled Aim Assist – An advanced laser-based system for sharp shooting training in Engineering and Technology Category.

➤ DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING

- IEEE Women InEngineering -WIE event Women of Vision: IMPERIUM- a panel discussion and interaction with students on Entrepreneurship organised on 09.03.2023.
- Techtonic: Applications of Python in AI/ML and Image Processing organised on 02.04.2023.
- IEEE WIE Series: Episode 1, 2 and 3 on advance topics conducted on 09.07.2023, 05.08.2023, 29.07.2023 respectively.
- STEM Lectures organised on 28.08.2023, International event like IEEEXtreme 17.0 International Programming Competition and IEEE SIES GST EPSILON 2023 conducted from 30.09.2023 to 02.10.2023.
- Five Industrial experts talk on different technical areas like Applications of Linux in Industry, cyber security and ethical hacking, optical communication and networking in industry, arranged during regular academic session and during value added courses session conducted by faculty members and Industry experts from April 2023 to January 2024.

> ➤ **DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (IOT)**
- Kunal Raj Singh designated as "XR developer Intern".

> ➤ **DEPARTMENT OF MECHANICAL ENGINEERING**
- Fifteen(15) Industrial visits were conducted from July to December 2023.
- Eight students have completed MOOC /NPTEL online courses from April to December 2023.
- Faculty members completed the project of hybrid solar streetlight conversion in the GST campus during September 2023.
- Four of the faculty members, Dr. Arathi Boyanpalli, Dr. Kalyani Pampattiwar, Dr. Anindita Khade, Dr. Jyoti Chavan were awarded Doctoral degrees in Computer Engineering.

Research Grants
- Dr. Pooja Singh, faculty, H & AS Department received a Research Grant for three years with Rs.25,91,600/- for her project titled "Reliability Anal the Science Safety Critical Systems using Artificial Intelligence" which was approved by Science & Engineering Research Board (SERB).

SEMINARS/WORKSHOPS ORGANISED/ATTENDED BY FACULTY

> ➤ **DEPARTMENT OF INFORMATION TECHNOLOGY**
- Faculty members, Prof. Bushra S., Prof. Mrinal Khadse, Prof. Seema Redekar, Prof. Savita Lohiya were a reviewer at IEEE conference 3rd International conference on Advanced Computing Technologies and Applications 2023 organised by S.V.K D.J. Sanghavi College of Engineering, ICICS 2023 organised in August 2023 and ICAST 2023 at KJSIT, Sion, Mumbai.
- Dr. Sulochana, Dr. S. Poornima, Prof. Samundiswary conducted a value-added course on Deep Learning during 1st - 5th January 2024.
- Prof. Samundiswary S. completed a workshop on "Introduction to Language models" from 17th -21st July organised by NPTEL.
- Prof. Leena Ladge, Ms. Samundiswary S, Ms. Mrinal Khadse, Prof. Seema Redekar, Prof. Bushra Shaikh, Prof. Savita Lohiya, Dr. Poornima and Prof. Sampada Lovalekar organised an expert talk on various recent topics such as Introduction to Scala programming, Industry Level Python, Advance Database Technologies, How to create API Using spring framework, ARVR- Real time Applications etc. during July 2023 to December 2023.
- Ms.Mrinal Khadse presented a Research paper on "Web 3.0 and NFT: Exploring the

future of Digital Asset Ownership" in the IEEE conference, International Conference on Advanced Computing and Communication System ICACCA-2024 organised by Shree Ishwar college of Engineering, Coimbatore on 15th March 2014.

- Prof. Seema Redekar organised an Expert talk on Big Data Tool conducted by Mr. Robin K , Morgan Stanley for BE IT students on 15.03.2024.
- Prof. Samundiswary S organised an expert talk on "Django Python framework" conducted by Mr. Niranjan Patil from Media .net for TE IT students on 18.03.2024.
- Prof. Mrinal K organised a Workshop on " Digital forensics with Kali Linux". conducted by Mr. Yogesh Jadhav -Techno jack solutions for TE IT students on 14.03.2024.
- Dr.Poornima organised an Expert talk on Blockchain conducted by Mr. Yogesh Jadhav -Technojack solutions for BE IT students on 15.03.2024.
- Prof Leena Ladge organised Techxter, a National Level Technical paper presentation competition under IETE Students' Forum on 22nd March 2023.
- Prof Leena Ladge and Prof Mrinal Khadse organised visit to Idea lab of SPIT, Andheri for SE IT students on 14th March 2024.
- Prof. Sampada Lovalekar, Prof. Kalpana Bodke & Prof. Savita Lohiya organised industrial visit at Tecpathshala on 7th March 2024.
- Prof. Samundiswary S organised a career guidance Session on "Placement Preparation" for TE IT conducted by Sunil Poojari-LTI MindTree, Abhishek Singh-Ingram Micro on 26.03.2024.
- Prof. Bushra Shaikh organised an Expert talk on IOS Development Principles for TE IT conducted by Mr. Manish Ankat -Senior iOS developer Mphatek Pvt. Ltd on 26.03.2024.

➤ DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATIONS:

- Prof. Vandana Sawant, Prof. Sonal Hutke and Prof. Hema Gavali organised and conducted a value-added course on Advanced Antenna Design during July 2023.
- Dr. Preeti Hemnani, Prof. Swati Rane, Prof. Shyamala M and Prof. Madhuri Kulkarni organised and conducted a value-added course on Image Processing and Machine Learning using Python during 26.06.2023 to 04.07.2023.
- Dr. Preeti Hemnani and Prof. Pranavi Nikam organised and conducted a value-added course on Digital system design on FPGA using Verilog during January 2024.
- Prof. Pratibha Joshi, Prof. Nita Patil and Prof. Vaishali Mangrulkar organised and conducted a value-added course on Introduction to Arduino, R-Pi and IoT during 01.01.2024 to 06.01.2024.
- Faculty members attended IEEE India Council Day seminar on 29.04.2023, Mathematic foundation for Machine learning AI from Eduinox Learning solutions by Udemy during May 2023, Cloud Computing during May 2023, Blooms Taxonomy and constructive Alignment on 18.08.2023, Linux fundamentals on 04.08.2023 etc.

- Dr. Preeti Hemnani and Prof. Biju Balakrishnan were invited as expert speaker on topic Outcome based education and NAAC/NBA preparation at S.S.Jondhale COE, Asangaon on 10.10.2023.
- Prof. Biju Balakrishnan completed a 12 weeks NPTEL certified course on Modern Digital Communication Techniques and secured Elite Silver Certificate and was a Topper in this course.
- Prof. Biju Balakrishnan received a certificate of appreciation for volunteering as proctor to guide and oversee competing teams for the IEEEXtreme 17.0 programming competition held on 18.10.2023.
- Organised Techopedia-12 Technical event from 01.02.2024 to 03.02.2024.
- Prof.Biju Balkrishnan, organised a seminar on Technical Paper Writing in IEEE format on 15.02.2024 by Dr. Mini Rajeev, Associate Professor and Associate Dean, FCRIT, Vashi and organised a seminar on Achieving Problem-Solution Fit and Product-Market Fit on 27.02.2024 by Alumni Mr. Abhishek Singh, Product Manager, Reliance Jio.
- IEEE SIESGST organised a seminar workshop on COLORS: A Tool for Wellness by Ms.Nikita Prabhu Founder, Ikigai For The Soul, Mumbai on 08.03.2024.
- IEEE SIESGST organised seminar on LUDO in the corporate World by Ms. Ramya Rajeevan, HR professional at Hindustan Uni Lever Ltd, Mumbai on 08.03.2024.
- Organised visit to AICTE Idea lab at SPIT,Andheri for second year students on 15/3/2024, organised Industrial Visit to TIFR on 23.03.2024 for third year students, organised Industrial Visit to INventronics , Bhiwandi for second year students and organised an Industrial Visit for faculties to Reliance Jio:5G Services and applications on 14.03.2024
- Dr. Shubhangi Kharche published a paper PCB Defect Detection Methods: A Review of Existing Methods and Potential Enhancements in JESTR journal .
- Prof.Vandana Sawant, Prof.Priyanka Kadam and Prof.Vaishali Mangrulkar published a Paper in IEEE Explore title '5.8Ghz ISM band low-cost button antenna for smart wearable application '.
- Prof.Pratibha Joshi published a paper in IEEE Explore title Comparative Analysis of Different Preprocessing Techniques for Digital Mammograms Towards Breast Cancer Detection.
- Organised expert talk on recent technologies to the students by the various faculty members of EXTC Dept.

> DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE:
- Dr. Rizwana Siddiqui published a paper OCR based tapal(postal Service) System in 14th International Conference on Computing Communication and Networking Technologies in the month of July 2023.

- Two value added courses conducted on Flutter Mobile Application development and Android Mobile application development in June 2023 and Jan 2024 respectively.
- One expert talk was conducted on Artificial Intelligence on Oct 6, 2023.
- Department of Computer Engineering:
- 6 value added courses conducted in the area of Ethical hacking and digital forensics, web technologies, Data Visualization for Data Science in June -July 2023 and skillful Success: A Roadmap to Excelling in Technical and Communication skill, DevOps, Mobile and web app development in January 2024.
- Prof Masooda M, Namrata Patel, Kalyanai Pampattiwar published book chapter titled "Intelligent Assistive Technology for children with cognitive impairment" in Intelligent solutions for Cognitive Disorders, IGI Global publication, ISBN13: 9798369310908|, ISBN13: 9798369310915.

➤ DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING:

- Two expert talks were conducted on Design Your Destiny and Generative AI on 6th September 2023 and 8th October 2023 respectively.
- 2 value added courses were conducted on Advances Python Libraries in June 2023 and Power BI in January 2024.
- Department of Humanities and Applied Sciences:
- Dr. Pooja received "Woman Technologist of the Year" award by IEEE India Council for the activities in the field of 'Reliability and Safety of Life Critical Systems', 2nd December 2023.
- Dr. Pooja's "Reliability Analysis of Safety-Critical Systems using Optimized Petri Nets" paper got published in Progress in Nuclear Energy, Elsevier, Vol. 164, pp. 1-12 on 04.08.2023.
- Dr. Pooja's paper on "Security measurement of instrumentation systems: A case study of NPP" got published in Progress in Nuclear Energy, Elsevier, Vol. 165, Nov 2023. Also, she delivered a talk as a keynote speaker in an International conference on 18th and 19th August, 2023.
- Dr. Sandhya Bharambe and Dr. Arpita Pal were invited as subject experts on the University Staff Selection Committee interview panel on 12.08.2023 and 11.07.2023.
- Dr. Ashwinkumar Chavan was invited as a resource person and delivered an expert talk on "Application of Higher Differential Equations" in the SVPKM's Institute of Technology, Dhule - June 2023 and "Engineering Mathematics - I Orientation for FE students and Faculties" during August 2023 held at Pravin Patil college of Engineering.
- Dr. G. Kanthimathi published papers on Galaxy link, Vol No -11, Issue No – 11 June 2023 and authored a chapter on Application of Physics in recent trends of science – July 2023.

- Dr. Ramkishan Bhise published book on "Universal Human Values and Professional Ethics" by Taran Publication with ISBN 978-81-19295-09-8 and "Curriculum development of ESL Programmes in Higher Education" by Taran Publication with ISBN 978-81-19295-07-4. He worked as organising secretary at the 17th International and 53rd Annual Conference of ELTAI during 11th to 14th October 2023 at Uttaranchal University, Dehradun. Additionally, he was invited as a distinguished speaker at the National Online Symposium, SVSU Meerut, UP on 22nd November 2023 and as a panel member for International Seminar. He was the reviewer for International journal "Edulec: education, language, and culture journal" e-ISSN: 2809-313, Indonesia.

➤ DEPARTMENT OF ELECTRONICS & COMPUTER SCIENCE ENGINEERING:

- 10 expert talks were conducted on various recent technologies like Predictive and perspective analysis, IoT applications, Digital Forensic, applications of signal processing and deep learning in modern era etc.
- Two Value added courses were conducted on Web Application and Cyber Security and cloud computing on July 2023 and Jan 2024 respectively.

➤ DEPARTMENT OF MECHANICAL ENGINEERING:

- Four expert talks were conducted by the Industry Experts on HVACR, Product design and scope, EV, Python Programming applications in Mechanical Engg. During July to December 2023.
- A webinar on Product Design and its scope in the near future delivered by Ms. Pooja Choudhari on 12.08.2023.

CO-CURRICULAR / EXTRA-CURRICULAR ACTIVITIES

➤ TECHNICAL ACTIVITIES BY THE STUDENTS

- Student council conducted a thrill-based workshop named,"Skill Up" a dynamic initiative falling under the GDP (GST Developers Program). This electrifying event, hosted by Game Domain on 1st September 2023, was designed to immerse students in the exhilarating world of game development. The workshop had a singular focus – to initiate students into the fundamental concepts of game design, programming, and creativity, by immersing them in an exciting hands-on project where they crafted their very own video game.
- HACKTOBER FEST, was arranged by the student council, a collaborative endeavour involving the Technical Team, GDSC, and Arena SIES GST Chapter on 5th-6th October 2023. The primary goal of this event was to kindle a fervour for open source among students, offering them hands-on experiences to deepen their understanding of this crucial domain.

CULTURAL ACTIVITIES

➤ **DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING:**

- Ms. Kritika Pandey, a final year student secured second rank in Western Vocal Solo at Youth Festival and Ms. Gauri Huigol, a second-year student secured Consolation prize in Story telling Solo at Youth Festival 2023-24.

➤ **DEPARTMENT OF COMPUTER ENGINEERING:**

- Second year student Tanvi Hirlekar was awarded first rank in classical instrumental category in Youth festival conducted by University of Mumbai in September 2023.
- Final year student Madhavan Naikar secured third rank in Elocution Group B competition at 56th Inter-collegiate Cultural youth festival Zonal round 12.08.2023.

➤ **DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING:**

- Vedika Mishra won the first prize in intercollegiate level group dance conducted by HOC Pillai's college of Engineering, Panvel during September 2023.

STUDENTS' COUNCIL ACTIVITIES

- 56th youth festival was organised by University of Mumbai and co-ordinated by the various teams of students' council such as the Sports team, Literary Team, the Creative Team, Aarambh and Aaroha. The numerous students participated in various events under the categories of Fine Arts, Literary Events, Theatre and Music and won prizes. The Literary team and the Cultural team hosted a program for the Teachers day celebration which was paired with enthusiastic participation by the faculties.
- During the event Baatcheet, the Guest speaker Mr. Amey Khedekar spoke on the theme 'Surmayi Manzilein-Illuminating the Untrodden paths conducted on 10.09.2023. This event motivated the students to choose a path less travelled or less preferred by the majority and to be unique.
- Garbha night was organised on 20th October 2023 enabled the students to enjoy the differing from the mundane lifestyle and soak themselves in festive fervor.
- Organised annual inter collegiate technical and cultural festival TATVA MOKSH LAKSHYA (TML) on 9th -10th February 2024. This year too, Tatva Moksh Lakshya lived up to the expectations of all and the two days event was thoroughly enjoyed by students and faculty alike.
- TML was inaugurated by Ms.Sujatha Shivsankar, Head of People-Excellence, culture, talent & DJ, KPMG, Pune and Mr.Pramod Pawar, Associate Vice-President, Talent solution, LTMindtree on 9th February, in the presence of Dr.P.V.Parameswaran, Advisor-

TATVA MOKSH LAKSHYA (TML) Annual Cultural Technical & Sports fest

SIESGST. The theme for this year's festival was 'Mayanagari' and the college was decorated with theme related creative work.

- The sports festival was a success with the various sports events such as Football, badminton, Cricket, Kabaddi, Carom, Table Tennis, Chess, Tug of war, throw ball etc. The cultural events like Singing, Karaoke, Solo/duet Dance, Fashion Show, JAM Events, Ink Tales, pottermaniac, Rangoli making and the amateur rock band competition, GST Gazette, official newsletter of GST was also launched through this platform.

- **Model United Nation (MUN)**
  - The 10th iteration of Model United Nations 2024 was conducted on 16th & 17th March 2024. It was a two-day international relations conference for all the college students at SIES Graduate School of Technology. This year, there were three committees, UNHRC (United Nations Human Rights Council), DISEC (Disarmament and International Security Committee) and Lok Sabha highlighting on the agendas:
  - UNHRC (Double Delegate) – Securing essential humanitarian assistance and protecting the well being of locals amid the Israeli-Palestinian Conflict.
  - DISEC – Safeguarding Global Security – Navigating the ethical and legal dimensions of AI Weaponization in the age of 5th Generation warfare and cyber terrorism.
  - Lok Sabha – Examination of the concept of 'Secularism' in the Indian constitution with an emphasis on Uniform Civil Code (UCC).

- **SustainX (Poster Presentation Competition):** This flagship event hosted team Promethean is an annual tradition tailored specifically for First-Year Engineering students at the college was organised on 31.03.2024. Participation is mandatory for all first-year students, who are required to form teams consisting of a maximum of five

members from their respective branches. This comprehensive event comprised three distinct phases: the Elimination Round, Round 1, and Round 2.

- **BIZENCE 2024 - Hour Business Hackathon**
  - E-cell of SIESGST organised " BIZENCE" a National Level Business plan 24-hour Hackathon. It's an experience which aims to incentivise creative thinking and promote entrepreneurship culture by providing workshops (Ideation & BMC Workshop), hands-on experiences ending with a B plan competition where CEO's and Founders of various companies judge the ideas and MVPs of the participants. Bizence'24 was held on 22nd and 23rd March at SIES GST Campus Nerul.
  - It was inaugurated by the Chief Guest, Mr. Raj Kishore Singh, Chief General Manager of IDBI Bank. Participants engaged in rigorous workshops on Business Model Canvas (BMC) and ideation conducted by Mr. Jaideep Patil, National President at Fishfed India. The teams presented their ideas to the Mentors from M/s.Greenox Pvt. Ltd., Ajay Sahu, and Daryl Thomas. This pivotal moment determined the finalists who had the opportunity to showcase their ventures to the distinguished panel consisting of 3 judges named Mr. Nischal Kapadia, Strategy and projects officer at M/s.Alpha Alternatives, Mr. Nihal Surve, Director at M/s.Dashami Agro Pvt Ltd, and Mr. Brijesh Karia, CEO at Singhania Educations.

NSS ACTIVITIES

➤ INTERNATIONAL YOGA DAY

To promote awareness about the advantages of incorporating yoga into daily life, highlighting its positive impact on both the mind and body, the NSS Unit of SIES Graduate School of Technology organised a session on International Yoga Day, held on 21st June 2023. The instructor, Mrs. Saraswathi Sriram, founder of Mahayoga and Wellness Center, brought her 15 years of yoga expertise to guide participants, comprising students and faculty members.

➤ INDEPENDENCE DAY CELEBRATION

The volunteers of NSS celebrated 77th Independence Day on 15th August 2023. where National flag was hoisted and the volunteers' delivered speech which awakened the spirit of patriotism amongst everyone.

➤ CLEANLINESS DRIVE OUTSIDE SIES CAMPUS

On 1st October 2023, NSS volunteers, actively engaged in a cleanliness drive aligned with the Swachh Bharat Abhiyan. As a dedicated effort towards this national campaign, the NSS unit conducted a cleaning drive outside SIES GST, Nerul. The offline initiative aimed to raise awareness about the significance of cleanliness and hygiene, reflecting a shared responsibility for maintaining a clean environment. The primary goal of this cleanliness

International Yoga Day

Cleanliness Drive outside SIES Campus

drive, spearheaded by NSS volunteers, was to contribute to the overarching mission of ensuring a clean and open-defecation-free India while addressing issues of litter and unhygienic conditions.

➤ FRUIT DONATION IN D.Y PATIL HOSPITAL ON GANDHI JAYANTHI

On 2nd October 2023 the NSS Unit of SIES GST organised Food donation drive. In this drive NSS volunteers distributed fruits in paper bags to patients in D. Y Patil Hospital. The fruits were packed in hand crafted paper bags which were made of used newspaper instead of using plastic bags to promote reusability with biodegradability. Highly nutritious types of fruits were distributed which would really help patients in many ways. A total of 100 packets of fruits were distributed to all the needy patients in the hospital.

➤ GANDHI JAYANTHI CELEBRATION

On 2th October 2023 the NSS unit observed Gandhi Jayanti and Lal Bahadur Shastri Jayanti. Four NSS volunteers delivered impactful speeches, followed by patriotic songs.

➤ BLOOD DONATION

On 4th October 2022, the NSS Unit of organised a drive at the Nerul(E) campus to foster the personal growth of SE NSS volunteers and raise awareness. The blood donation drive in collaboration with Sion Blood Bank. SE volunteers played a vital role in assisting doctors, ensuring donor comfort, and conducting offline publicity. A total of 266 individuals participated.

➤ WASTE MANAGEMENT (COMPOST PITS)

On 24th September 2023, NSS volunteers undertook a successful compost pit activity at Sri Chandrasekarendra Saraswati Vidyapuram, promoting sustainable waste management practices.

➤ NSS RESIDENTIAL CAMP

From 8th to 14th January, the banks of the Kalu River near Bursunge village hummed with activity as NSS volunteers embarked on a transformative journey. Their mission: construct a vital dam, leaving a legacy that stretched beyond mere bricks and mortar.

> ➤ SWACHH BHARAT ABHIYAN

On 20th January 2024, NSS volunteers undertook a successful cleanliness drive focused on cleaning mandirs and religious spaces within the college.

WOMEN'S DEVELOPMENT CELL ACTIVITIES

- The CWDC (College Women Development Cell) has been set up as per the guidelines laid down by the Women Development Cell of University of Mumbai. CWDC conducts various programs and workshops to create social awareness in students about women related issues. The following events were organised under WDC during the academic year 2023-2024.
- A Self Defense Workshop on 11th January 2023, aimed to raise awareness about the importance of physical fitness, sports, and adventures, highlighting the role of martial arts in self-defense and the power of each martial art in combat.
- WDC celebrated International Women's Day on 8th March 2023, with a joyous celebration featuring student performances, a session on women empowerment by certified NLP practitioner Mrs. Preeti Singh, and honouring cleaning staff and an autorickshaw driver.
- Self Defense Workshop for FE - Induction 2023, aimed at teaching student's fundamental self-defense skills under the guidance of Mr. Raunak Mookherjee and his assistant trainer Samit. The value of self-defense and its importance was emphasised by demonstrating basic moves.
- Ms. Gauri Arun Jadhav, an expert in cyberbullying, conducted a seminar on 13.10.2023 focusing on the complexities of online harassment, providing practical insights and strategies to combat the growing issue. The seminar served as a beacon of awareness, fostering empowerment and resilience among attendees and leaving a lasting impact on the community.
- Ayurarogya Saukhyam Foundation orchestrated an enlightening Menstrual Hygiene Workshop on October 11, 2023.

TRAINING & PLACEMENT ACTIVITIES

- Campus recruitment 2023-24 started on 02 August 2023, with nVent Thermal Solutions as the first recruiter on campus. 03 students from Computer Engineering & IT 2023-24 received the final offer for CTC 10.56 LPA.
- Total 25 reputed companies as KPMG, Worley India, FYNDNA, Jio Platforms Ltd., IngramMicro, Saint-Gobain, Tata Communications, Vodafone Idea, Yokohama-Off-Highway Tires, NielsenIQ etc. have visited the campus for recruitment and hired 103

students from Computer Engineering, IT, EXTC, ECS and Mechanical Engineering. The selected students have received final offer ranging from 4 to 10 LPA, till date.

LIBRARY ACTIVITIES

- Library is using Koha Library Management Software. Koha includes modules for Acquisition, Cataloguing, Serials, Koha Admin etc. The software is compatible with all library standards and supports all library functions. It is used by large number of libraries throughout the world.
- During the Year 2023-24, the library procured 400+ volumes in Engineering and other General reading books. And also subscribed e-journal packages such as IEEE-ASPP + IEEE CSDL and DELNET Membership and subscribed. 41 National and 10 International Journals (Hardcopy).
- The library web site reported 762 unique visitors using various e-resources. Question banks and other resources are highly used by students. Total 23868 visits by students and faculty and 15863 circulation statistics by students and faculty reported for the period 2023 – 2024.

ALUMNI ACTIVITIES

➤ DEPARTMENT OF INFORMATION TECHNOLOGY:

- Various expert talks on recent topics such as Introduction to Scala programming, Industry Level Python, Advance Database Technologies, How to create API Using spring framework were conducted by Alumni, Mr.Siddhesh karandekar (2019 batch) Ms.Deepika Bhanushali (Batch of 2020) ,Ms.Shreya Ganesh (Batch 2021 , Mr.Aftab Shaikh (batch 2022 ,Mr.Nitin (batch of 2022) and Mr.Rishi Iyer (batch of 2015) during July to December 2023.

➤ DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATIONS:

- Organised an expert lecture in value-added course-Image processing and machine learning on topic "Applications of CNN in industry" by Mr. Pawan Hebli, 2018 Alumni, AI engineer at Assert AI, Mumbai.

➤ DEPARTMENT OF COMPUTER ENGINEERING:

- Expert session conducted on "Developing Analytical Skills" conducted by Prashant Singh (2012-2016) during October 2023.
- Organised Guest lecture cum alumni interaction on 5th April 2023 on Effective Problem Solving Strategies by Zainab Bubere.

- Innovations 2023 National level project competition judgedby Sridhar Ravi Mani (2019 batch) during April 2023.
- Mr. Shabrish (2017-21 batch) working as Software Developer in Connect wise conducted a session on developing Node JS Applications in SDP on 30th June 2023.
- Pooja Rao (2012-16 batch) Working as Learning and Development Specialist in TCS conducted a session in SDP organised by IT dept on 30th June 2023 in SDP.
- Mr. Sandesh Dalvi conducted a seminar on "How to prepare for Internship opportunities" for CE SE students on 26.08.2023.
- Sabrish Ramaswamy conducted a session on "Web applications" in Value added course, skilful Success: A Roadmap to Excelling in Technical and Communication skill for placements.
- Abubakkar Wasim conducted a session on "DSA Programming" in Value added course, skilful Success: A Roadmap to Excelling in Technical and Communication skill for placements in January 2024.
- Zainab Burbure conducted session on "Competitive coding"in Value added course, skillful Success: A Roadmap to Excelling in Technical and Communication skill for placements in January 2024.
- Mr.Anirudh Belwadi working as software engineer in Reliance Jio conducted a session in value added course "Web and Mobile applications development" in January 2024.
- Mr.Tejas Mahadev (Batch 2020) conducted a webinar on life at IISc Banglore, on 02.09.2023 for the current students.